





No. 5-424 Date X/60

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	34 - 112.2	
2	38 125.4	
3	37 122.1	
4	37 122.1	
5	39 128.7	
6	35 115.5	
7	31 102.3	
8	38 125.4	
9	38 125.4	
10	40 132.0	
T	1211.1	
\bar{x}	121.1	

Sertoli Cells: seen

Remarks: _____

No. 5-427 Date x/60

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	23 - 75.9	
2	20 66.0	
3	20 66.0	
4	28 92.4	
5	20 66.0	
6	21 69.3	
7	28 92.4	
8	23 75.9	
9	29 95.7	
10	25 82.5	
T	782.1	
\bar{x}	78.2	

Sertoli Cells: seen

Remarks: _____

No. 752 Date Feb 10 Spermatogenic Condition Normal

	Interstitial Cell Seminiferous nuclear diam.	tubule diam.	Seminiferous epith. height
1	25	25	25
2	25	25	25
3	25	25	25
4	25	25	25
5	25	25	25
6	25	25	25
7	25	25	25
8	25	25	25
9	25	25	25
10	25	25	25
T		28.1	
\bar{x}		28.5	

Sertoli Cells: normal
 Remarks: _____

No. 5-429 Date Xc/60

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	23 - 75.9	
2	26 85.8	
3	29 95.7	
4	23 75.9	
5	24 79.2	
6	24 79.2	
7	23 75.9	
8	23 75.9	
9	28 92.4	
10	25 82.5	
T	818.4	
\bar{x}	81.8	

Sertoli Cells: seen

Remarks: _____

E=16.5 μ ①

No.	Spermatogenic Condition	Interstitial Cell Seminiferous		Date
		nuclear diam.	tubule diam.	
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
T				
X				

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Sertoli Cells:

Remarks:

No. 5-431 Date Xc/60

Spermatogenic Condition 0

	Seminiferous ⁽²⁾		Seminiferous
	Interstitial Cell	tubule diam.	epith. height
	nuclear diam.		
1		18. - 59.4	
2		15 49.5	
3		21 69.3	
4		20 66.0	
5		14 46.2	
6		12 39.6	
7		11 36.3	
8		12 39.6	
9		13 42.9	
10		13 42.9	
T		491.7	
\bar{x}		49.2	

Sertoli Cells: seen

Remarks: _____

No. 5-443 Date 11/61

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	^② Seminiferous tubule diam.	Seminiferous epith. height
1	40 - 132.0	
2	34 112.2	
3	42 138.6	
4	44 145.2	
5	42 138.6	
6	44 145.2	
7	29 95.7	
8	28 92.4	
9	38 125.4	
10	35 115.5	
T	1240.8	
\bar{x}	124.1	

Sertoli Cells: seen

Remarks: _____

No. 5-449 Date 11/6/61

Spermatogenic Condition (2)

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	60 - 198.0	14 - 46.2
2	57 188.1	25 82.5
3	63 207.9	22 72.6
4	58 191.4	18 59.4
5	48 158.4	15 49.5
6	58 191.4	11 36.3
7	56 184.8	22 72.6
8	58 191.4	20 66.0
9	60 198.0	15 49.5
10	61 201.3	20 66.0
T	1910.7	600.6
\bar{x}	191.1	60.1

Sertoli Cells: seen

Remarks: _____

E = 19.8 μ

No. 5-453 Date III/61

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	21 - 69.3	
2	20 66.0	
3	25 82.5	
4	25 82.5	
5	23 75.9	
6	18 59.4	
7	24 79.2	
8	18 59.4	
9	21 69.3	
10	20 66.0	
T	709.5	
\bar{x}	70 71.0	

Sertoli Cells: seen

Remarks: _____

No. 5-954 Date III / 61

Spermatogenic Condition 0

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	18 - 59.4	
2	18 59.4	
3	20 66.0	
4	18 59.4	
5	17 56.1	
6	18 59.4	
7	19 62.7	
8	17 56.1	
9	17 56.1	
10	18 59.4	
T	594.0	
\bar{x}	59.4	

Sertoli Cells: seen

Remarks: _____

No. 5-456 Date 11/61

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	49 - 161.7	16 - 52.8
2	48 158.4	12 39.6
3	51 168.3	20 66.0
4	63 207.9	20 66.0
5	48 158.4	17 56.1
6	48 158.4	15 49.5
7	53 174.9	20 66.0
8	60 198.0	20 66.0
9		
10		
T	1386.0	462.0
\bar{x}	173.2	57.8

Sertoli Cells: seen

Remarks: _____

No. 5-459 Date 10/6/61

Spermatogenic Condition _____

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: _____

Remarks: no testis on slide

No. 5-461 Date 10/41

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	52 - 105.6	
2	30 99.0	
3	34 112.2	
4	27 89.1	
5	30 99.0	
6	28 92.4	
7	33 108.9	
8	27 89.1	
9	52 105.6	
10	31 102.3	
T	1003.2	
\bar{x}	100.3	

Sertoli Cells: seen

Remarks: _____

No. 5-462 Date 10/61

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	57 - 188.1	—
2	47 155.1	24 - 79.2
3	55 181.5	20 66.0
4	52 171.4	—
5	45 148.5	23 75.9
6	60 198.0	—
7	47 155.1	—
8	47 155.1	—
9	33 108.9	—
10	52 184.8	—
T	1646.7	221.1
\bar{x}	164.7	73.7

Sertoli Cells: seen

Remarks: only a few w/ lumina

No. 5-463 Date 10/61

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	65 - 214.5	20 - 66.0
2	55 - 181.5	20 - 66.0
3	58 - 191.4	11 - 36.3
4	54 - 178.2	20 - 66.0
5	52 - 171.6	17 - 56.1
6	50 - 165.0	20 - 66.0
7	60 - 198.0	20 - 66.0
8	49 - 161.7	16 - 52.8
9	52 - 171.6	17 - 56.1
10	50 - 165.0	18 - 59.4
T	1798.5	590.7
\bar{x}	179.8	59.1

Sertoli Cells: seen

Remarks: _____

No. 5-964 Date 11/6/61

Spermatogenic Condition 3

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	42 - 138.6	14 - 46.2
2	43 141.9	—
3	32 105.6	—
4	37 122.1	12 39.6
5	42 138.6	14 52.8
6	50 165.0	20 66.0
7		
8		
9		
10		
T	811.8	204.6
\bar{x}	135.3	51.2

Sertoli Cells: seen

Remarks: _____

No. 5-465 Date 10/6/61

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	62 - 204.6	24 - 79.2
2	66 217.8	25 82.5
3	59 194.7	15 49.5
4	62 204.6	28 92.4
5	67 221.1	23 75.9
6	65 214.5	22 72.6
7	51 168.3	21 69.3
8	70 231.0	20 66.0
9	61 201.3	25 82.5
10	59 194.7	18 59.4
T	2052.6	729.3
\bar{x}	205.3	72.9

Sertoli Cells: seen

Remarks: _____

No. 5-464 Date 10/6/61

Spermatogenic Condition 5

	²			
	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height	
1		74 - 249.2	21 - 69.3	
2		36 118.8	16 52.8	
3		58 191.4	26 85.8	
4		52 171.6	20 66.0	
5		68 224.4	24 79.2	
6		77 254.1	26 85.8	
7		53 174.9	24 79.2	
8		69 227.7	23 75.9	
9		54 178.2	20 66.0	
10		55 181.5	20 66.0	
T		1966.8	726.0	
\bar{x}		196.7	72.6	

Sertoli Cells: seen

Remarks: _____

No. 5-467 Date 10/6/61

Spermatogenic Condition ②

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	53 - 273.9	18 - 59.4
2	78 - 257.4	12 - 39.6
3	74 - 244.2	18 - 59.4
4	79 - 260.7	26 - 85.8
5	85 - 280.5	26 - 85.8
6	64 - 211.2	22 - 72.6
7	70 - 231.0	16 - 52.8
8	89 - 293.7	25 - 82.5
9	87 - 287.1	24 - 79.2
10	78 - 257.4	22 - 72.6
T	2597.1	689.7
\bar{x}	259.7	69.0

Sertoli Cells: seen

Remarks: _____

E = 330 μ

③

No. 5-468 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: not seen

Remarks: tissue shredded

No. 5-469 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	56 - 184.8	20 - 66.0
2	42 138.6	14 46.2
3	61 201.3	12 39.6
4	61 201.3	17 56.1
5	59 194.7	6 19.8
6	50 165.0	12 39.6
7	54 178.2	19 62.7
8	50 165.0	16 52.8
9	54 178.2	15 49.5
10	48 158.4	15 49.5
T	1765.5	481.8
\bar{x}	176.6	48.2

Sertoli Cells: seen

Remarks: _____

E = 26.4 μ (2)

No. 5-470 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	60 - 198.0	16 - 52.8
2	66 217.8	15 49.5
3	52 171.6	18 59.4
4	51 168.3	16 52.8
5	61 201.3	15 49.5
6	67 221.1	18 59.4
7	39 128.7	12 37.6
8	50 165.0	15 49.5
9	53 174.9	10 33.0
10	55 181.5	15 49.5
T	1828.2	495.0
\bar{x}	182.8	49.5

Sertoli Cells: seen

Remarks: _____

No. 5-471 Date 10/6/61

Spermatogenic Condition 6

	Interstitial Cell nuclear diam.	(2) Seminiferous tubule diam.		Seminiferous epith. height	
1		57	188.1	20	66.0
2		51	168.3	16	52.8
3		65	214.5	19	62.7
4		54	178.2	15	49.5
5		64	211.2	22	72.6
6		64	211.2	20	66.0
7		72	237.6	17	56.1
8		64	211.2	15	49.5
9		67	221.1	18	59.4
10		62	204.6	21	69.3
T		2046.0		603.9	
\bar{x}		204.6		60.4	

Sertoli Cells: seen

Remarks: _____

E = 26.4, 61 (2)

No. 5-472 Date 10/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	63 - 207.9	18 - 59.4
2	54 184.8	25 82.5
3	62 204.6	25 82.5
4	49 227.7	25 82.5
5	59 194.7	25 82.5
6	60 198.0	20 66.0
7	58 191.4	20 66.0
8	72 237.6	14 46.2
9	61 201.3	16 52.8
10	60 198.0	20 66.0
T	2046.0	686.4
\bar{x}	204.6	68.6

Sertoli Cells: seen

Remarks: _____

E = 19.8 μ (1)

No. 5-473 Date 10/61

Spermatogenic Condition 10

Interstitial Cell nuclear diam.	Seminiferous ⁽²⁾ tubule diam.	Seminiferous epith. height
1	57 - 188.1	16 - 52.8
2	58 191.4	14 46.2
3	74 244.2	20 66.0
4	58 191.4	16 52.8
5	46 151.8	12 39.6
6	68 224.4	16 52.8
7	56 184.8	15 49.5
8	64 211.2	15 49.5
9	67 221.1	28 92.4
10	61 201.3	19 62.7
T	2009.7	564.3
\bar{x}	201.0	56.4

Sertoli Cells: seen

Remarks: _____

E = 39.6 μ (3)

No. 5-174 Date 10/6/61

Spermatogenic Condition 3

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	37 - 122.1	14 - 46.2
2	28 92.4	10 33.0
3	46 151.8	15 49.5
4	34 112.2	12 39.6
5	36 118.8	10 33.0
6	39 128.7	16 52.8
7	30 99.0	10 33.0
8	40 132.0	13 42.9
9	38 125.4	17 56.1
10	34 112.2	10 33.0
T	1194.6	419.1
\bar{x}	119.5	41.9

Sertoli Cells: seen

Remarks: _____

No. 5-475 Date 18/61

Spermatogenic Condition ②

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	34 - 112.2	9 - 29.7
2	38 125.4	15 49.5
3	35 115.5	14 46.2
4	35 115.5	10 33.0
5	32 105.6	13 42.9
6	36 118.8	10 33.0
7	43 141.9	15 49.5
8	33 108.9	10 33.0
9	35 115.5	10 33.0
10	37 122.1	15 49.5
T	1181.4	399.3
\bar{x}	118.1	39.9

Sertoli Cells: seen

Remarks: _____

No. 5-476 Date 10/6/61

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	^② Seminiferous tubule diam.	Seminiferous epith. height
1	41 - 135.3	14 - 46.2
2	39 128.7	12 39.6
3	41 135.3	11 36.3
4	38 125.4	13 42.9
5	39 128.7	12 39.6
6	41 135.3	15 49.5
7	44 145.2	18 59.4
8	40 132.0	15 49.5
9	52 171.6	13 42.9
10	40 132.0	11 36.3
T	1369.5	442.2
\bar{x}	137.0	44.2

Sertoli Cells: seen

Remarks: _____

E = 13.2 ①

No. 5-483 Date 4/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	69 - 227.7	10 - 33.0
2	63 207.9	10 33.0
3	78 257.4	20 66.0
4	47 155.1	18 59.4
5	67 221.1	12 39.6
6	71 234.3	11 36.3
7	59 194.7	10 33.0
8	65 214.5	18 59.4
9	63 207.9	8 26.4
10	53 174.9	11 36.3
T	2095.5	422.4
\bar{x}	209.6	42.2

Sertoli Cells: seen

Remarks: _____

$E = 23.1 \mu$

(4)

No. 5-484 Date VI/6/61

Spermatogenic Condition 6

	Seminiferous		Seminiferous	
	Interstitial Cell nuclear diam.	tubule diam.	epith. height	
1	67	201.3	14	46.2
2	50	165.0	8	26.4
3	67	221.1	15	49.5
4	54	178.2	11	36.3
5	65	214.5	12	39.6
6	76	184.8	9	29.7
7	61	201.3	9	29.7
8	64	211.2	15	49.5
9	76	250.8	22	72.6
10	70	264.0	15	49.5
T		2092.2		429.0
\bar{x}		209.2		42.9

Sertoli Cells: seen

Remarks: _____

E = 29.7 μ

(4)

No. 5-485 Date 11/26/61

Spermatogenic Condition active

Interstitial Cell nuclear diam.	Seminiferous tubule diam. 0.1 mm.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: 5

Remarks: no testes on slide

No. 5-488 Date 11/6/61

Spermatogenic Condition ②

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	63 - 207.9	18 - 59.4
2	71 - 234.3	16 - 38.0
3	70 - 231.0	15 - 49.5
4	83 - 273.9	21 - 69.3
5	69 - 227.7	20 - 66.0
6	65 - 214.5	23 - 75.9
7	59 - 194.7	18 - 59.4
8	56 - 184.8	19 - 62.7
9	55 - 181.5	10 - 33.0
10	67 - 221.1	14 - 46.2
T	2171.4	554.4
\bar{x}	217.1	55.4

Sertoli Cells: not seen

Remarks: _____

E = 36.3 μ

③

The following table shows the results of the experiments conducted on the 10th of May 1900. The results are given in the form of a table, the columns of which are headed as follows:—

Experiment No.	Time of day	Direction of wind
1	10.00	W
2	10.30	W
3	11.00	W
4	11.30	W
5	12.00	W
6	12.30	W
7	13.00	W
8	13.30	W
9	14.00	W
10	14.30	W
11	15.00	W
12	15.30	W
13	16.00	W
14	16.30	W
15	17.00	W
16	17.30	W
17	18.00	W
18	18.30	W
19	19.00	W
20	19.30	W
21	20.00	W
22	20.30	W
23	21.00	W
24	21.30	W
25	22.00	W
26	22.30	W
27	23.00	W
28	23.30	W
29	24.00	W
30	24.30	W

The results of the experiments are given in the form of a table, the columns of which are headed as follows:—

Experiment No.	Time of day	Direction of wind
1	10.00	W
2	10.30	W
3	11.00	W
4	11.30	W
5	12.00	W
6	12.30	W
7	13.00	W
8	13.30	W
9	14.00	W
10	14.30	W
11	15.00	W
12	15.30	W
13	16.00	W
14	16.30	W
15	17.00	W
16	17.30	W
17	18.00	W
18	18.30	W
19	19.00	W
20	19.30	W
21	20.00	W
22	20.30	W
23	21.00	W
24	21.30	W
25	22.00	W
26	22.30	W
27	23.00	W
28	23.30	W
29	24.00	W
30	24.30	W

The results of the experiments are given in the form of a table, the columns of which are headed as follows:—

No. 5-489 Date 10/6/61

Spermatogenic Condition (2) 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	53 - 174.9	12 - 39.6
2	59 194.7	11 36.3
3	50 165.0	10 33.0
4	69 227.7	20 66.0
5	64 211.2	15 49.5
6	53 174.9	10 33.0
7	68 224.4	11 36.3
8	53 174.9	11 36.3
9	48 158.4	15 49.5
10	57 188.1	12 39.6
T	1894.2	419.1
\bar{x}	189.4	41.9

Sertoli Cells: not seen

Remarks: _____

No. 5-490 Date 4/6/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	51 - 168.3	10 - 33.0
2	47 155.1	12 39.6
3	50 165.0	11 36.3
4	62 204.6	21 69.3
5	60 198.0	18 59.4
6	52 171.6	15 49.5
7	57 188.1	15 49.5
8	49 161.7	15 49.5
9		
10		
T	1412.4	380.1
\bar{x}	176.5	48.3

Sertoli Cells: not seen

Remarks: _____

E = 39.6 μ

(3)

No. 5-495 Date 2/6/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	78 - 231.0	21 - 69.3
2	55 181.5	14 46.2
3	68 224.4	18 59.4
4	51 168.3	15 49.5
5	78 257.4	10 33.0
6	65 214.5	11 36.3
7	80 264.0	21 69.3
8	63 207.9	20 66.0
9	73 240.9	18 59.4
10	71 234.3	18 59.4
T	2224.2	547.8
\bar{x}	222.4	54.8

Sertoli Cells: seen

Remarks: _____

No. ⁴ 5-896 Date ~~11/12~~

Spermatogenic Condition ⁽²⁾ ~~2~~

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	61 - 201.3	15 - 49.5
2	65 - 214.5	15 - 49.5
3	67 - 221.1	12 - 39.6
4	74 - 244.2	14 - 46.2
5	64 - 211.2	17 - 56.1
6	67 - 221.1	13 - 42.9
7	71 - 234.3	15 - 49.5
8	60 - 198.0	11 - 36.3
9	65 - 214.5	17 - 56.1
10	60 - 198.0	13 - 42.9
T	2158.2	468.6
\bar{x}	215.8	46.9

Sertoli Cells: seen

Remarks: _____

E = 29.7 μ (4)

No. 5-500 Date 11/6/61

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	32 - 105.6	
2	32 105.6	
3	31 102.3	
4	26 85.8	
5	29 95.7	
6	37 122.1	
7	43 141.9	
8	37 122.1	
9	35 115.5	
10	34 112.2	
T	1108.8	
\bar{x}	110.9	

Sertoli Cells: seen

Remarks: _____

No. 5-501 Date 11/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous ⁽²⁾ tubule diam.	Seminiferous epith. height
1	73 - 240.9	11 - 36.3
2	72 237.6	14 46.2
3	54 184.8	18 59.4
4	72 237.6	12 39.6
5	64 211.2	22 72.6
6	74 244.2	10 33.0
7	63 207.9	16 52.8
8	68 224.4	14 46.2
9	61 201.3	17 56.1
10	54 178.2	11 36.3
T	2168.1	478.5
\bar{x}	216.8	47.8

Sertoli Cells: present

Remarks: _____

E = 39.6 μ (3)

No. 5-504 Date 4/6/5

Spermatogenic Condition (2)

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	63 - 214.5	25 - 82.5
2	54 184.8	15 49.5
3	65 214.5	25 82.5
4	58 191.4	19 62.7
5	57 188.1	22 72.6
6	53 174.9	20 66.0
7	58 191.4	18 59.4
8	48 158.4	17 56.1
9	46 151.8	15 49.5
10	70 231.0	20 66.0
T	1900.8	646.8
\bar{x}	190.1	64.7

Sertoli Cells: seen

Remarks: _____

$E = 19.8 \mu$ (1)

No. 5-508 Date 11/6/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	50 - 165.0	11 - 36.3
2	48 158.4	12 39.6
3	50 165.0	10 33.0
4	41 135.3	5 16.5
5	51 168.3	11 36.3
6	38 125.4	10 33.0
7	43 141.9	14 46.2
8	46 151.8	18 59.4
9	50 165.0	10 33.0
10	50 165.0	11 36.3
T	1541.1	369.6
\bar{x}	154.1	37.0

Sertoli Cells: seen

Remarks: _____

E = 33.0 μ (4)

No. 5-509 Date U/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57. - 168.3	15 - 49.5
2	40 132.0	14 46.2
3	51 168.3	13 42.9
4	50 165.0	11 36.3
5	51 168.3	14 46.2
6	45 148.5	11 36.3
7	56 184.8	13 42.9
8	54 178.2	12 39.6
9	51 168.3	14 46.2
10	50 165.0	15 49.5
T	1646.7	435.6
\bar{x}	164.7	43.6

Sertoli Cells: seen

Remarks: _____

W = 33.0 μ

(3)

No. 5-510 Date 4/dec

Spermatogenic Condition 6

	②			
	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height	
1		46 - 151.8	18 - 59.4	
2		42 138.6	12 39.6	
3		41 135.3	11 36.3	
4		37 122.1	15 49.5	
5		59 194.7	15 49.5	
6		61 201.3	22 72.6	
7		48 158.4	18 59.4	
8		53 174.9	16 52.8	
9		45 148.5	17 56.1	
10		60 198.0	10 33.0	
T		1623.6	508.2	
\bar{x}		162.4	50.8	

Sertoli Cells: seen

Remarks: _____

$E = 14.5 \mu$

①

No. 5-514 Date VI/6/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	69 - 227.7	10 - 33.0
2	71 234.3	12 39.6
3	61 201.3	7 23.1
4	57 188.1	14 46.2
5	50 165.0	15 49.5
6	63 207.9	16 52.8
7	57 188.1	15 49.5
8	57 188.1	14 46.2
9	84 277.2	21 69.3
10	60 198.0	12 39.6
T	2075.7	448.8
\bar{x}	207.6	44.9

Sertoli Cells: seen

Remarks: _____

E = 29.7 μ

(4)

No. 5-5.14 Date 06/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	44 - 145.2	9 - 29.7
2	56 184.8	12 39.6
3	63 207.9	15 49.5
4	50 165.0	8 26.4
5	60 198.0	15 49.5
6	49 161.7	9 29.7
7	54 184.8	14 46.2
8	56 184.8	11 36.3
9	63 207.9	12 39.6
10	44 145.2	10 33.0
T	1785.3	379.5
\bar{x}	178.5	38.0

Sertoli Cells: seen

Remarks: _____

E = 23.1 μ

(3)

No. 5-578 Date VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	55 - 181.5	10 - 33.0
2	57 188.1	10 33.0
3	47 155.1	13 42.9
4	58 191.4	10 33.0
5	56 184.8	12 39.6
6	58 191.4	10 33.0
7	46 151.8	12 39.6
8	61 201.3	13 42.9
9	57 188.1	20 66.0
10	57 188.1	12 39.6
T	1821.6	402.6
\bar{x}	182.2	40.3

Sertoli Cells: seen

Remarks: _____

No. 5-579 Date VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	38 - 290.4	20 - 66.0
2	54 178.2	9 29.7
3	60 198.0	11 36.3
4	66 217.8	15 49.5
5	81 267.3	14 46.2
6	83 273.9	20 66.0
7	62 204.6	12 39.6
8	72 237.6	20 66.0
9	60 198.0	15 49.5
10	55 181.5	13 42.9
T	2247.3	491.7
\bar{x}	224.7	49.2

Sertoli Cells: seen

Remarks: _____

E = 26.4 μ (5)

No. 5-520 Date 01/61
Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	60 - 198.0	10 - 33.0
2	60 198.0	15 49.5
3	70 231.0	19 62.7
4	58 191.4	18 59.4
5	67 221.1	20 66.0
6	77 254.1	12 39.6
7	45 148.5	17 56.1
8	64 211.2	10 33.0
9	79 260.7	23 75.9
10	60 198.0	16 52.8
T	2112.0	528.0
\bar{x}	211.2	52.8

Sertoli Cells: seen

Remarks: _____

E = 33.0 μ (4)

No. 5-525 Date VI/6/61

Spermatogenic Condition ②

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	25 82.5	8 - 26.4
2	29 95.7	8 26.4
3	38 125.4	12 39.6
4	29 95.7	9 29.7
5	26 85.8	9 29.7
6	30 99.0	8 26.4
7	28 92.4	9 29.7
8	32 105.6	10 33.0
9	30 99.0	14 46.2
10	29 95.7	13 42.9
T	976.8	330.0
\bar{x}	97.7	33.0

Sertoli Cells: seen

Remarks: _____

E = 13.2 μ ①

No. 5-526 Date 11/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	66 - 217.8	15 - 49.5
2	56 165.0	12 39.6
3	48 158.4	16 52.8
4	58 191.4	13 42.9
5	62 204.6	11 36.3
6	79 260.7	13 42.9
7	67 221.1	14 46.2
8	61 201.3	12 39.6
9	65 214.5	13 42.9
10	75 247.5	20 66.0
T	2082.3	458.7
\bar{x}	208.2	45.9

Sertoli Cells: seen

Remarks: _____

$E = 29.7 \mu$

(2)

No. 5-527 Date 01/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	59 - 194.7	11 - 36.3
2	45 - 148.5	7 - 23.1
3	59 - 194.7	10 - 33.0
4	52 - 171.6	11 - 36.3
5	57 - 188.1	12 - 39.6
6	56 - 184.8	17 - 56.1
7	64 - 211.2	14 - 46.2
8	67 - 221.1	15 - 49.5
9	70 - 231.0	21 - 69.3
10	68 - 224.4	14 - 46.2
T	1970.1	435.6
\bar{x}	197.0	43.6

Sertoli Cells: seen

Remarks: _____

E = 33.0 μ (3)

No. 5-528 Date 4/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	64 - 211.2	11 - 36.3
2	68 224.4	16 52.8
3	50 165.0	15 49.5
4	69 227.7	12 39.6
5	61 201.3	12 39.6
6	53 174.9	17 56.1
7	58 191.4	12 39.6
8	65 214.5	11 36.3
9	75 247.5	11 36.3
10	52 171.6	14 46.2
T	2029.5	432.3
\bar{x}	203.0	43.2

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 19.8 \mu$ ⁽⁴⁾

No. 5-529 Date VI/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	51 - 168.3	15 - 49.5
2	50 264.0	16 52.8
3	66 217.8	23 75.9
4	79 260.7	19 62.7
5	77 254.1	15 49.5
6	75 247.5	11 36.3
7	74 244.2	18 59.4
8	76 250.8	19 62.7
9	69 227.7	19 62.7
10	53 174.9	15 49.5
T	2310.0	561.0
\bar{x}	231.0	56.1

Sertoli Cells: seen

Remarks: _____

E = 26.4 μ

(3)

No. 5-531 Date VI/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous ⁽²⁾ tubule diam.	Seminiferous epith. height
1	75 - 247.5	20 - 66.0
2	94 310.2	16 52.8
3	77 254.1	15 49.5
4	67 221.1	20 66.0
5	71 234.3	17 56.1
6	82 270.6	13 42.9
7	92 303.6	20 66.0
8	71 234.3	13 42.9
9	79 260.7	16 52.8
10	76 250.8	19 62.7
T	2587.2	557.7
\bar{x}	258.7	55.8

Sertoli Cells: seen

Remarks: _____

E = 42.9 μ (2)

No. 5-532 Date 01/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	50 - 165.0	9 - 29.7
2	64 211.2	9 29.7
3	55 181.5	12 39.6
4	46 151.8	14 46.2
5	42 138.6	14 46.2
6	62 204.6	11 36.3
7	42 138.6	10 33.0
8	66 217.8	15 49.5
9	48 158.4	12 39.6
10	49 161.7	13 42.9
T	1729.2	392.7
\bar{x}	172.9	39.3

Sertoli Cells: seen

Remarks: _____

E = 19.8 μ ⁽²⁾

No. 5-533 Date 01/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	79 - 260.7	9 - 29.7
2	83 273.9	21 69.3
3	73 240.9	16 52.8
4	70 231.0	22 72.6
5	73 240.9	15 49.5
6	76 250.8	14 46.2
7	63 207.9	16 52.8
8	54 178.2	11 36.3
9	74 244.2	17 56.1
10	62 204.6	15 49.5
T	2333.1	514.8
\bar{x}	233.3	51.5

Sertoli Cells: not seen

Remarks: _____

E = 26.4 μ (4)

No. 5-534 Date 11/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	62 - 204.6	20 - 66.0
2	52 - 171.6	15 - 49.5
3	50 - 165.0	9 - 29.7
4	54 - 178.2	9 - 29.7
5	81 - 267.3	15 - 49.5
6	51 - 168.3	14 - 46.2
7	62 - 204.6	15 - 49.5
8	63 - 207.9	18 - 59.4
9	54 - 178.2	11 - 36.3
10	47 - 155.1	15 - 49.5
T	1900.8	465.3
\bar{x}	190.1	46.5

Sertoli Cells: stain faint

Remarks: _____

E = 19.8 μ ⁽⁴⁾

No. 5-537 Date VII / 61

Spermatogenic Condition 60

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	43 - 141.9	10 - 33.0
2	50 165.0	9 29.7
3	42 138.6	11 36.3
4	46 151.8	11 36.3
5	48 158.4	9 29.7
6	58 184.8	8 26.4
7	56 184.8	15 49.5
8	48 158.4	9 29.7
9	54 178.2	9 29.7
10	50 165.0	10 33.0
T	1626.9	333.3
\bar{x}	162.7	33.3

Sertoli Cells: seen

Remarks: _____

E = 33.0 μ (3)

No. 5-545 Date 12/16/61

Spermatogenic Condition 2 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57.3 - 174.9	10 - 33.0
2	58 - 191.4	9 - 29.7
3	48 - 158.4	11 - 36.3
4	50 - 165.0	10 - 33.0
5	53 - 174.9	11 - 36.3
6	63 - 207.9	7 - 23.1
7	45 - 148.5	14 - 46.2
8	46 - 151.8	8 - 26.4
9	65 - 214.5	12 - 39.6
10	36 - 118.8	12 - 39.6
T	1706.1	343.2
\bar{x}	170.6	34.3

Sertoli Cells: seen

Remarks: _____

E = 23.1 μ

(7)

No. 5-546 Date Oct/61

Spermatogenic Condition crit. 2

Interstitial Cell nuclear diam.	Seminiferous tubule diam. on m.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: _____

Remarks: no testes on slide

No. 5-547 Date VIK/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	58 - 191.4	15 - 49.5
2	66 217.8	10 33.0
3	55 181.5	8 26.4
4	44 145.2	12 39.6
5	54 178.2	15 49.5
6	60 198.0	10 33.0
7	63 207.9	11 36.3
8	58 191.4	10 39.0
9	57 188.1	14 46.2
10	57 188.1	12 39.6
T	1887.6	386.1
\bar{x}	188.8	38.6

Sertoli Cells: seen

Remarks: _____

$E = 19.8 \mu$

(4)

Table 1. Summary of data for the 1990-1991 season.

Station	Depth (m)	Temperature (°C)	Salinity (psu)	Density (kg/m³)
1	0	18.5	35.2	1024.5
1	10	18.2	35.1	1024.4
1	20	17.8	35.0	1024.3
1	30	17.5	34.9	1024.2
1	40	17.2	34.8	1024.1
1	50	17.0	34.7	1024.0
1	60	16.8	34.6	1023.9
1	70	16.5	34.5	1023.8
1	80	16.2	34.4	1023.7
1	90	16.0	34.3	1023.6
1	100	15.8	34.2	1023.5
2	0	18.8	35.3	1024.6
2	10	18.5	35.2	1024.5
2	20	18.2	35.1	1024.4
2	30	17.9	35.0	1024.3
2	40	17.6	34.9	1024.2
2	50	17.3	34.8	1024.1
2	60	17.0	34.7	1024.0
2	70	16.7	34.6	1023.9
2	80	16.4	34.5	1023.8
2	90	16.1	34.4	1023.7
2	100	15.9	34.3	1023.6
3	0	19.0	35.4	1024.7
3	10	18.7	35.3	1024.6
3	20	18.4	35.2	1024.5
3	30	18.1	35.1	1024.4
3	40	17.8	35.0	1024.3
3	50	17.5	34.9	1024.2
3	60	17.2	34.8	1024.1
3	70	16.9	34.7	1024.0
3	80	16.6	34.6	1023.9
3	90	16.3	34.5	1023.8
3	100	16.0	34.4	1023.7

Notes: Data were collected from three stations (1, 2, and 3) at depths of 0, 10, 20, 30, 40, 50, 60, 70, 80, 90, and 100 meters.

Abbreviations: Depth (m), Temperature (°C), Salinity (psu), Density (kg/m³).

No. 5-5.48 Date VI/VI

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	58 - 191.4	16 - 52.8
2	51 168.3	16 52.8
3	63 207.9	10 33.0
4	55 181.5	9 29.7
5	62 204.6	15 49.5
6	71 234.3	17 56.1
7	64 211.2	16 52.8
8	61 201.3	15 49.5
9	59 194.7	14 46.2
10	42 138.6	13 42.9
T	1933.8	465.3
\bar{x}	193.4	46.5

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 29.7 \mu$

(3)

The following table shows the results of the experiments conducted on the 10th of June 1881. The experiments were conducted on the 10th of June 1881. The results of the experiments are as follows:

No. of trials	No. of successes	Percentage of successes
1	1	100
2	2	100
3	3	100
4	4	100
5	5	100
6	6	100
7	7	100
8	8	100
9	9	100
10	10	100
11	11	100
12	12	100
13	13	100
14	14	100
15	15	100
16	16	100
17	17	100
18	18	100
19	19	100
20	20	100
21	21	100
22	22	100
23	23	100
24	24	100
25	25	100
26	26	100
27	27	100
28	28	100
29	29	100
30	30	100
31	31	100
32	32	100
33	33	100
34	34	100
35	35	100
36	36	100
37	37	100
38	38	100
39	39	100
40	40	100
41	41	100
42	42	100
43	43	100
44	44	100
45	45	100
46	46	100
47	47	100
48	48	100
49	49	100
50	50	100
51	51	100
52	52	100
53	53	100
54	54	100
55	55	100
56	56	100
57	57	100
58	58	100
59	59	100
60	60	100
61	61	100
62	62	100
63	63	100
64	64	100
65	65	100
66	66	100
67	67	100
68	68	100
69	69	100
70	70	100
71	71	100
72	72	100
73	73	100
74	74	100
75	75	100
76	76	100
77	77	100
78	78	100
79	79	100
80	80	100
81	81	100
82	82	100
83	83	100
84	84	100
85	85	100
86	86	100
87	87	100
88	88	100
89	89	100
90	90	100
91	91	100
92	92	100
93	93	100
94	94	100
95	95	100
96	96	100
97	97	100
98	98	100
99	99	100
100	100	100

No. 5-549 Date 6/11/61

Spermatogenic Condition 6

	②			
	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height	
1	81	267.3	11	36.3
2	99	326.7	18	59.4
3	71	234.3	15	49.5
4	65	214.5	14	46.2
5	65	214.5	10	33.0
6	87	287.1	21	69.3
7	92	303.6	16	52.8
8	58	191.4	10	33.0
9	60	198.0	16	52.8
10	41	135.3	11	36.3
T		2372.7		468.6
\bar{x}		237.3		46.9

Sertoli Cells: seen

Remarks: _____

E = 33.0 μ

③

Table 1. Summary of Data

Year	Month	Day	Time	Location	Species	Count
1998	Jan	1	08:00	Point A	Red	1
1998	Jan	2	09:00	Point A	Red	2
1998	Jan	3	10:00	Point A	Red	3
1998	Jan	4	11:00	Point A	Red	4
1998	Jan	5	12:00	Point A	Red	5
1998	Jan	6	13:00	Point A	Red	6
1998	Jan	7	14:00	Point A	Red	7
1998	Jan	8	15:00	Point A	Red	8
1998	Jan	9	16:00	Point A	Red	9
1998	Jan	10	17:00	Point A	Red	10
1998	Jan	11	18:00	Point A	Red	11
1998	Jan	12	19:00	Point A	Red	12
1998	Jan	13	20:00	Point A	Red	13
1998	Jan	14	21:00	Point A	Red	14
1998	Jan	15	22:00	Point A	Red	15
1998	Jan	16	23:00	Point A	Red	16
1998	Jan	17	00:00	Point A	Red	17
1998	Jan	18	01:00	Point A	Red	18
1998	Jan	19	02:00	Point A	Red	19
1998	Jan	20	03:00	Point A	Red	20
1998	Jan	21	04:00	Point A	Red	21
1998	Jan	22	05:00	Point A	Red	22
1998	Jan	23	06:00	Point A	Red	23
1998	Jan	24	07:00	Point A	Red	24
1998	Jan	25	08:00	Point A	Red	25
1998	Jan	26	09:00	Point A	Red	26
1998	Jan	27	10:00	Point A	Red	27
1998	Jan	28	11:00	Point A	Red	28
1998	Jan	29	12:00	Point A	Red	29
1998	Jan	30	13:00	Point A	Red	30
1998	Jan	31	14:00	Point A	Red	31
1998	Jan	32	15:00	Point A	Red	32
1998	Jan	33	16:00	Point A	Red	33
1998	Jan	34	17:00	Point A	Red	34
1998	Jan	35	18:00	Point A	Red	35
1998	Jan	36	19:00	Point A	Red	36
1998	Jan	37	20:00	Point A	Red	37
1998	Jan	38	21:00	Point A	Red	38
1998	Jan	39	22:00	Point A	Red	39
1998	Jan	40	23:00	Point A	Red	40
1998	Jan	41	00:00	Point A	Red	41
1998	Jan	42	01:00	Point A	Red	42
1998	Jan	43	02:00	Point A	Red	43
1998	Jan	44	03:00	Point A	Red	44
1998	Jan	45	04:00	Point A	Red	45
1998	Jan	46	05:00	Point A	Red	46
1998	Jan	47	06:00	Point A	Red	47
1998	Jan	48	07:00	Point A	Red	48
1998	Jan	49	08:00	Point A	Red	49
1998	Jan	50	09:00	Point A	Red	50
1998	Jan	51	10:00	Point A	Red	51
1998	Jan	52	11:00	Point A	Red	52
1998	Jan	53	12:00	Point A	Red	53
1998	Jan	54	13:00	Point A	Red	54
1998	Jan	55	14:00	Point A	Red	55
1998	Jan	56	15:00	Point A	Red	56
1998	Jan	57	16:00	Point A	Red	57
1998	Jan	58	17:00	Point A	Red	58
1998	Jan	59	18:00	Point A	Red	59
1998	Jan	60	19:00	Point A	Red	60
1998	Jan	61	20:00	Point A	Red	61
1998	Jan	62	21:00	Point A	Red	62
1998	Jan	63	22:00	Point A	Red	63
1998	Jan	64	23:00	Point A	Red	64
1998	Jan	65	00:00	Point A	Red	65
1998	Jan	66	01:00	Point A	Red	66
1998	Jan	67	02:00	Point A	Red	67
1998	Jan	68	03:00	Point A	Red	68
1998	Jan	69	04:00	Point A	Red	69
1998	Jan	70	05:00	Point A	Red	70
1998	Jan	71	06:00	Point A	Red	71
1998	Jan	72	07:00	Point A	Red	72
1998	Jan	73	08:00	Point A	Red	73
1998	Jan	74	09:00	Point A	Red	74
1998	Jan	75	10:00	Point A	Red	75
1998	Jan	76	11:00	Point A	Red	76
1998	Jan	77	12:00	Point A	Red	77
1998	Jan	78	13:00	Point A	Red	78
1998	Jan	79	14:00	Point A	Red	79
1998	Jan	80	15:00	Point A	Red	80
1998	Jan	81	16:00	Point A	Red	81
1998	Jan	82	17:00	Point A	Red	82
1998	Jan	83	18:00	Point A	Red	83
1998	Jan	84	19:00	Point A	Red	84
1998	Jan	85	20:00	Point A	Red	85
1998	Jan	86	21:00	Point A	Red	86
1998	Jan	87	22:00	Point A	Red	87
1998	Jan	88	23:00	Point A	Red	88
1998	Jan	89	00:00	Point A	Red	89
1998	Jan	90	01:00	Point A	Red	90
1998	Jan	91	02:00	Point A	Red	91
1998	Jan	92	03:00	Point A	Red	92
1998	Jan	93	04:00	Point A	Red	93
1998	Jan	94	05:00	Point A	Red	94
1998	Jan	95	06:00	Point A	Red	95
1998	Jan	96	07:00	Point A	Red	96
1998	Jan	97	08:00	Point A	Red	97
1998	Jan	98	09:00	Point A	Red	98
1998	Jan	99	10:00	Point A	Red	99
1998	Jan	100	11:00	Point A	Red	100
1998	Jan	101	12:00	Point A	Red	101
1998	Jan	102	13:00	Point A	Red	102
1998	Jan	103	14:00	Point A	Red	103
1998	Jan	104	15:00	Point A	Red	104
1998	Jan	105	16:00	Point A	Red	105
1998	Jan	106	17:00	Point A	Red	106
1998	Jan	107	18:00	Point A	Red	107
1998	Jan	108	19:00	Point A	Red	108
1998	Jan	109	20:00	Point A	Red	109
1998	Jan	110	21:00	Point A	Red	110
1998	Jan	111	22:00	Point A	Red	111
1998	Jan	112	23:00	Point A	Red	112
1998	Jan	113	00:00	Point A	Red	113
1998	Jan	114	01:00	Point A	Red	114
1998	Jan	115	02:00	Point A	Red	115
1998	Jan	116	03:00	Point A	Red	116
1998	Jan	117	04:00	Point A	Red	117
1998	Jan	118	05:00	Point A	Red	118
1998	Jan	119	06:00	Point A	Red	119
1998	Jan	120	07:00	Point A	Red	120
1998	Jan	121	08:00	Point A	Red	121
1998	Jan	122	09:00	Point A	Red	122
1998	Jan	123	10:00	Point A	Red	123
1998	Jan	124	11:00	Point A	Red	124
1998	Jan	125	12:00	Point A	Red	125
1998	Jan	126	13:00	Point A	Red	126
1998	Jan	127	14:00	Point A	Red	127
1998	Jan	128	15:00	Point A	Red	128
1998	Jan	129	16:00	Point A	Red	129
1998	Jan	130	17:00	Point A	Red	130
1998	Jan	131	18:00	Point A	Red	131
1998	Jan	132	19:00	Point A	Red	132
1998	Jan	133	20:00	Point A	Red	133
1998	Jan	134	21:00	Point A	Red	134
1998	Jan	135	22:00	Point A	Red	135
1998	Jan	136	23:00	Point A	Red	136
1998	Jan	137	00:00	Point A	Red	137
1998	Jan	138	01:00	Point A	Red	138
1998	Jan	139	02:00	Point A	Red	139
1998	Jan	140	03:00	Point A	Red	140
1998	Jan	141	04:00	Point A	Red	141
1998	Jan	142	05:00	Point A	Red	142
1998	Jan	143	06:00	Point A	Red	143
1998	Jan	144	07:00	Point A	Red	144
1998	Jan	145	08:00	Point A	Red	145
1998	Jan	146	09:00	Point A	Red	146
1998	Jan	147	10:00	Point A	Red	147
1998	Jan	148	11:00	Point A	Red	148
1998	Jan	149	12:00	Point A	Red	149
1998	Jan	150	13:00	Point A	Red	150
1998	Jan	151	14:00	Point A	Red	151
1998	Jan	152	15:00	Point A	Red	152
1998	Jan	153	16:00	Point A	Red	153
1998	Jan	154	17:00	Point A	Red	154
1998	Jan	155	18:00	Point A	Red	155
1998	Jan	156	19:00	Point A	Red	156
1998	Jan	157	20:00	Point A	Red	157
1998	Jan	158	21:00	Point A	Red	158
1998	Jan	159	22:00	Point A	Red	159
1998	Jan	160	23:00	Point A	Red	160
1998	Jan	161	00:00	Point A	Red	161
1998	Jan	162	01:00	Point A	Red	162
1998	Jan	163	02:00	Point A	Red	163
1998	Jan	164	03:00	Point A	Red	164
1998	Jan	165	04:00	Point A	Red	165
1998	Jan	166	05:00	Point A	Red	166
1998	Jan	167	06:00	Point A	Red	167
1998	Jan	168	07:00	Point A	Red	168
1998	Jan	169	08:00	Point A	Red	169
1998	Jan	170	09:00	Point A	Red	170
1998	Jan	171	10:00	Point A	Red	171
1998	Jan	172	11:00	Point A	Red	172
1998	Jan	173	12:00	Point A	Red	173
1998	Jan	174	13:00	Point A	Red	174
1998	Jan	175	14:00	Point A	Red	175
1998	Jan	176	15:00	Point A	Red	176
1998	Jan	177	16:00	Point A	Red	177
1998	Jan	178	17:00	Point A	Red	178
1998	Jan	179	18:00	Point A	Red	179
1998	Jan	180	19:00	Point A	Red	180
1998	Jan	181	20:00	Point A	Red	181
1998	Jan	182	21:00	Point A	Red	182
1998	Jan	183	22:00	Point A	Red	183
1998	Jan	184	23:00	Point A	Red	184
1998	Jan	185	00:00	Point A	Red	185
1998	Jan	186	01:00	Point A	Red	186
1998	Jan	187	02:00	Point A	Red	187
1998	Jan	188	03:00	Point A	Red	188
1998	Jan	189	04:00	Point A	Red	189
1998	Jan	190	05:00	Point A	Red	190
1998	Jan	191	06:00	Point A	Red	191
1998	Jan	192	07:00	Point A	Red	192
1998	Jan	193	08:00	Point A	Red	193
1998	Jan	194	09:00	Point A	Red	194
1998	Jan	195	10:00	Point A	Red	195
1998	Jan	196	11:00	Point A	Red	196
1998	Jan	197	12:00	Point A	Red	197
1998	Jan	198	13:00	Point A	Red	198
1998	Jan	199	14:00	Point A	Red	199
1998	Jan	200	15:00	Point A	Red	200

Source: Data from 1998-2000

Table 2. Summary of Data

Table 3. Summary of Data

Table 4. Summary of Data

Table 5. Summary of Data

Table 6. Summary of Data

Table 7. Summary of Data

Table 8. Summary of Data

Table 9. Summary of Data

Table 10. Summary of Data

Table 11. Summary of Data

Table 12. Summary of Data

Table 13. Summary of Data

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Table 15. Summary of Data

Table 16. Summary of Data

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Table 30. Summary of Data

Table 31. Summary of Data

Table 32. Summary of Data

Table 33. Summary of Data

Table 34. Summary of Data

Table 35. Summary of Data

Table 36. Summary of Data

Table 37. Summary of Data

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Table 40. Summary of Data

Table 41. Summary of Data

Table 42. Summary of Data

Table 43. Summary of Data

Table 44. Summary of Data

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Table 46. Summary of Data

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Table 49. Summary of Data

Table 50. Summary of Data

Table 51. Summary of Data

Table 52. Summary of Data

Table 53. Summary of Data

Table 54. Summary of Data

Table 55. Summary of Data

Table 56. Summary of Data

Table 57. Summary of Data

Table 58. Summary of Data

Table 59. Summary of Data

Table 60. Summary of Data

Table 61. Summary of Data

No. 5-550 Date Oct/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	53 - 174.9	8 - 26.4
2	51 168.3	11 36.3
3	59 194.7	9 29.7
4	59 194.7	11 36.3
5	65 214.5	11 36.3
6	52 171.6	9 29.7
7	50 165.0	6 19.8
8	57 188.1	15 49.5
9	49 161.7	20 66.0
10	65 214.5	20 66.0
T	1848.0	396.0
\bar{x}	184.8	39.6

Sertoli Cells: seen

Remarks: _____

E = 36.3 μ

(3)

2. Model Development

Model Name	Model Type	Model Description
Model 1	Linear	Linear regression model
Model 2	Quadratic	Quadratic regression model
Model 3	Cubic	Cubic regression model
Model 4	Logistic	Logistic regression model
Model 5	Polynomial	Polynomial regression model
Model 6	Bayesian	Bayesian regression model
Model 7	Neural Network	Neural network model
Model 8	Support Vector	Support vector machine model
Model 9	Decision Tree	Decision tree model
Model 10	Random Forest	Random forest model
Model 11	Gradient Boosting	Gradient boosting model
Model 12	Ensemble	Ensemble learning model
Model 13	Deep Learning	Deep learning model
Model 14	Reinforcement Learning	Reinforcement learning model
Model 15	Generative Adversarial	Generative adversarial network model
Model 16	Transfer Learning	Transfer learning model
Model 17	Meta-Learning	Meta-learning model
Model 18	Self-Supervised	Self-supervised learning model
Model 19	Active Learning	Active learning model
Model 20	Federated Learning	Federated learning model

Model 1: Linear

Model 2: Quadratic

Model 3: Cubic

Model 4: Logistic

Model 5: Polynomial

Model 6: Bayesian

Model 7: Neural Network

Model 8: Support Vector

Model 9: Decision Tree

Model 10: Random Forest

Model 11: Gradient Boosting

Model 12: Ensemble

Model 13: Deep Learning

Model 14: Reinforcement Learning

Model 15: Generative Adversarial

Model 16: Transfer Learning

Model 17: Meta-Learning

Model 18: Self-Supervised

Model 19: Active Learning

Model 20: Federated Learning

No. 5-552 Date VII/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	69 - 211.2	15 - 49.5
2	69 227.7	11 36.3
3	68 224.4	10 33.0
4	71 234.3	16 52.8
5	77 254.1	18 59.4
6	78 257.4	14 46.2
7	70 231.0	10 33.0
8	70 231.0	13 42.9
9	66 217.8	15 49.5
10	77 254.1	23 75.9
T	2343.0	478.5
\bar{x}	234.3	47.8

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 29.7 \mu$

(3)

No. 5-553 Date VII/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	54 - 178.2	11 - 36.3
2	66 217.8	15 49.5
3	76 250.8	10 33.0
4	54 178.2	8 26.4
5	56 184.8	15 49.5
6	63 207.9	11 36.3
7	61 201.3	16 52.8
8	51 168.3	14 46.2
9	50 165.0	18 59.4
10	48 158.4	12 39.6
T	1910.7	429.0
\bar{x}	191.1	42.9

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 29.7 \mu$ (3)

No. 5-555 Date VII / 61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	52 - 171.6	15 - 49.5
2	58 191.4	14 46.2
3	57 188.1	15 49.5
4	50 165.0	15 49.5
5	65 214.5	12 39.6
6	55 181.5	11 36.3
7	70 231.0	15 49.5
8	67 221.1	13 42.9
9	65 214.5	12 39.6
10	66 217.8	12 39.6
T	1996.5	442.2
\bar{x}	199.6	44.2

Sertoli Cells: seen

Remarks: _____

E = 23.14 ⁽³⁾

No. 5-557 Date VII/61

Spermatogenic Condition 0

Interstitial Cell nuclear diam.	Seminiferous tubule diam. ⁽²⁾	Seminiferous epith. height
1	20 - 66.0	
2	19 62.7	
3	19 62.7	
4	21 69.3	
5	20 66.0	
6	19 62.7	
7	15 49.5	
8	20 66.0	
9	22 72.6	
10	18 59.4	
T	636.9	
\bar{x}	63.7	

Sertoli Cells: seen

Remarks: _____

No. 5-559 Date VII / 61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous ⁽²⁾ tubule diam.	Seminiferous epith. height
1	59 - 194.7	11 - 36.3
2	55 - 181.5	10 - 33.0
3	61 - 201.3	11 - 36.3
4	60 - 198.0	15 - 49.5
5	57 - 188.1	11 - 36.3
6	49 - 161.7	10 - 33.0
7	52 - 171.6	12 - 39.6
8	55 - 181.5	15 - 49.5
9	50 - 165.0	10 - 33.0
10	45 - 148.5	15 - 49.5
T	1791.9	396.0
\bar{x}	179.2	39.6

Sertoli Cells: seen

Remarks: _____

E = 26.4 μ (3)

No. 5-560 Date VI/6/61

Spermatogenic Condition ②

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	78 - 257.4	13 - 42.9
2	58 191.4	8 26.4
3	54 178.2	13 42.9
4	63 207.9	17 56.1
5	37 122.1	14 46.2
6	67 221.1	11 36.3
7	56 184.8	9 29.7
8	44 145.2	17 56.1
9	49 161.7	15 49.5
10	51 168.3	12 39.6
T	1838.1	425.7
\bar{x}	183.8	42.6

Sertoli Cells: not seen

Remarks: _____

E = 29.7 μ

④

Table 1: Summary of Data

Year	Q1	Q2	Q3	Q4	Total
2010	100	150	200	250	700
2011	120	180	220	280	800
2012	140	200	240	300	880
2013	160	220	260	320	960
2014	180	240	280	340	1040
2015	200	260	300	360	1120
2016	220	280	320	380	1200
2017	240	300	340	400	1280
2018	260	320	360	420	1360
2019	280	340	380	440	1440
2020	300	360	400	460	1520
2021	320	380	420	480	1600
2022	340	400	440	500	1680
2023	360	420	460	520	1760
2024	380	440	480	540	1840
2025	400	460	500	560	1920
2026	420	480	520	580	2000
2027	440	500	540	600	2080
2028	460	520	560	620	2160
2029	480	540	580	640	2240
2030	500	560	600	660	2320
2031	520	580	620	680	2400
2032	540	600	640	700	2480
2033	560	620	660	720	2560
2034	580	640	680	740	2640
2035	600	660	700	760	2720
2036	620	680	720	780	2800
2037	640	700	740	800	2880
2038	660	720	760	820	2960
2039	680	740	780	840	3040
2040	700	760	800	860	3120
2041	720	780	820	880	3200
2042	740	800	840	900	3280
2043	760	820	860	920	3360
2044	780	840	880	940	3440
2045	800	860	900	960	3520
2046	820	880	920	980	3600
2047	840	900	940	1000	3680
2048	860	920	960	1020	3760
2049	880	940	980	1040	3840
2050	900	960	1000	1060	3920
2051	920	980	1020	1080	4000
2052	940	1000	1040	1100	4080
2053	960	1020	1060	1120	4160
2054	980	1040	1080	1140	4240
2055	1000	1060	1100	1160	4320
2056	1020	1080	1120	1180	4400
2057	1040	1100	1140	1200	4480
2058	1060	1120	1160	1220	4560
2059	1080	1140	1180	1240	4640
2060	1100	1160	1200	1260	4720
2061	1120	1180	1220	1280	4800
2062	1140	1200	1240	1300	4880
2063	1160	1220	1260	1320	4960
2064	1180	1240	1280	1340	5040
2065	1200	1260	1300	1360	5120
2066	1220	1280	1320	1380	5200
2067	1240	1300	1340	1400	5280
2068	1260	1320	1360	1420	5360
2069	1280	1340	1380	1440	5440
2070	1300	1360	1400	1460	5520
2071	1320	1380	1420	1480	5600
2072	1340	1400	1440	1500	5680
2073	1360	1420	1460	1520	5760
2074	1380	1440	1480	1540	5840
2075	1400	1460	1500	1560	5920
2076	1420	1480	1520	1580	6000
2077	1440	1500	1540	1600	6080
2078	1460	1520	1560	1620	6160
2079	1480	1540	1580	1640	6240
2080	1500	1560	1600	1660	6320
2081	1520	1580	1620	1680	6400
2082	1540	1600	1640	1700	6480
2083	1560	1620	1660	1720	6560
2084	1580	1640	1680	1740	6640
2085	1600	1660	1700	1760	6720
2086	1620	1680	1720	1780	6800
2087	1640	1700	1740	1800	6880
2088	1660	1720	1760	1820	6960
2089	1680	1740	1780	1840	7040
2090	1700	1760	1800	1860	7120
2091	1720	1780	1820	1880	7200
2092	1740	1800	1840	1900	7280
2093	1760	1820	1860	1920	7360
2094	1780	1840	1880	1940	7440
2095	1800	1860	1900	1960	7520
2096	1820	1880	1920	1980	7600
2097	1840	1900	1940	2000	7680
2098	1860	1920	1960	2020	7760
2099	1880	1940	1980	2040	7840
2100	1900	1960	2000	2060	7920

Source: Author's calculations

Notes: The data is presented in a table format with columns for Year, Q1, Q2, Q3, Q4, and Total. The years range from 2010 to 2100. The values are calculated based on the provided data.

No. 5-561 Date VH/61

Spermatogenic Condition 6

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		78 - 257.4	15 - 49.5
2		81 267.3	17 56.1
3		64 211.2	15 49.5
4		81 267.3	30 99.0
5		66 217.8	15 49.5
6		76 250.8	14 46.2
7		62 204.6	20 66.0
8		79 260.7	15 49.5
9		75 247.5	15 49.5
10		65 214.5	10 33.0
T		2399.1	547.8
\bar{x}		239.9	54.8

Sertoli Cells: seen

Remarks: _____

E = 36.34

(3)

1. *Phragmites australis* (Cav.) Trin. ex Steud.
 2. *Scirpus americanus* (L.) Link.

<i>Phragmites australis</i> (Cav.) Trin. ex Steud.	<i>Scirpus americanus</i> (L.) Link.	(L.) Trin. ex Steud.
1	1	1
2	2	2
3	3	3
4	4	4
5	5	5
6	6	6
7	7	7
8	8	8
9	9	9
10	10	10
11	11	11
12	12	12
13	13	13
14	14	14
15	15	15
16	16	16
17	17	17
18	18	18
19	19	19
20	20	20
21	21	21
22	22	22
23	23	23
24	24	24
25	25	25
26	26	26
27	27	27
28	28	28
29	29	29
30	30	30
31	31	31
32	32	32
33	33	33
34	34	34
35	35	35
36	36	36
37	37	37
38	38	38
39	39	39
40	40	40
41	41	41
42	42	42
43	43	43
44	44	44
45	45	45
46	46	46
47	47	47
48	48	48
49	49	49
50	50	50
51	51	51
52	52	52
53	53	53
54	54	54
55	55	55
56	56	56
57	57	57
58	58	58
59	59	59
60	60	60
61	61	61
62	62	62
63	63	63
64	64	64
65	65	65
66	66	66
67	67	67
68	68	68
69	69	69
70	70	70
71	71	71
72	72	72
73	73	73
74	74	74
75	75	75
76	76	76
77	77	77
78	78	78
79	79	79
80	80	80
81	81	81
82	82	82
83	83	83
84	84	84
85	85	85
86	86	86
87	87	87
88	88	88
89	89	89
90	90	90
91	91	91
92	92	92
93	93	93
94	94	94
95	95	95
96	96	96
97	97	97
98	98	98
99	99	99
100	100	100

1. *Phragmites australis* (Cav.) Trin. ex Steud.
 2. *Scirpus americanus* (L.) Link.
 3. *Phragmites australis* (Cav.) Trin. ex Steud.
 4. *Scirpus americanus* (L.) Link.
 5. *Phragmites australis* (Cav.) Trin. ex Steud.
 6. *Scirpus americanus* (L.) Link.
 7. *Phragmites australis* (Cav.) Trin. ex Steud.
 8. *Scirpus americanus* (L.) Link.
 9. *Phragmites australis* (Cav.) Trin. ex Steud.
 10. *Scirpus americanus* (L.) Link.

No. 5-562 Date Oct/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	24 - 69.3	
2	40 132.0	
3	32 105.6	
4	46 151.8	
5	34 112.2	
6	39 128.7	
7	35 115.5	
8		
9		
10		
T	815.1	
\bar{x}	116.4	

Sertoli Cells: seen

Remarks: odd multinucleated (?) structure
in tubules which are not completely
regressed

No. 5-563 Date 1/14/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	576 - 184.8	13 - 42.9
2	74 244.2	18 54.4
3	78 257.4	17 56.1
4	63 207.9	15 49.5
5	55 181.5	10 33.0
6	43 141.9	12 39.6
7	66 217.8	10 33.0
8	44 145.2	12 39.6
9	47 155.1	14 46.2
10	108 224.4	17 56.1
T	1960.2	455.4
\bar{x}	196.0	45.5

Sertoli Cells: seen

Remarks: _____

E = 36.3 μ

(3)

No. 5-564 Date UH/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	37. - 127.1	11 - 36.3
2	40 132.0	11 36.3
3	33 108.9	10 33.0
4	40 132.0	10 33.0
5	42 138.6	13 42.9
6	45 148.5	10 33.0
7	42 138.6	10 33.0
8	49 161.7	11 36.3
9	51 165.3	10 33.0
10	53 174.9	15 49.5
T	1425.6	366.3
\bar{x}	142.6	36.6

Sertoli Cells: seen

Remarks: _____

E = 10.5 μ (2)

Experimental Results		Initial Data Collection	
Sample No.	Weight (g)	Volume (ml)	Concentration (%)
1	10.5	5.2	20.0
2	12.1	6.0	20.2
3	11.8	5.8	20.5
4	13.2	6.5	20.1
5	12.5	6.2	20.3
6	14.0	7.0	20.0
7	13.5	6.8	20.2
8	15.0	7.5	20.0
9	14.5	7.2	20.1
10	16.0	8.0	20.0
Average		6.5	20.1
Standard Deviation		0.5	0.2

Total Volume: _____
 Initial Concentration: _____
 Final Concentration: _____
 Final Volume: _____
 Final Weight: _____

No. 5-566 Date Jul 101

Spermatogenic Condition normal

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
T			
\bar{x}			

Sertoli Cells: _____

Remarks: noted on slide

[illegible][illegible]

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[illegible]

No. 5-567 Date VII/61

Spermatogenic Condition normal

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	66 - 217.8	13 - 42.9
2	64 211.2	12 39.6
3	55 181.5	8 26.4
4	57 188.1	16 52.8
5	43 141.9	10 33.0
6	45 148.5	7 29.7
7	56 184.8	8 26.4
8	65 214.5	14 46.2
9	65 214.5	8 26.4
10	60 198.0	13 42.9
T	1900.8	366.3
\bar{x}	190.1	36.6

Sertoli Cells: seen

Remarks: _____

$E = 42.9 \mu$

(3)

No. 5-568 Date VII/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	45 - 148.5	8 - 26.4
2	48 158.4	10 33.0
3	41 135.3	9 29.7
4	38 125.4	9 29.7
5	52 171.6	9 29.7
6	47 155.1	9 29.7
7	52 171.6	12 39.6
8	48 158.4	8 26.4
9	49 161.7	16 52.8
10	49 161.7	9 29.7
T	1547.7	326.7
\bar{x}	154.8	32.7

Sertoli Cells: seen

Remarks: _____

E = 42.9

(2)

Page No. _____ Date _____

Topic _____

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

11. _____

12. _____

13. _____

14. _____

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

No. 5-570 Date VIII/61

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	48 - 158.4	10 - 33.0
2	49 161.7	14 46.2
3	48 158.4	7 23.1
4	52 171.6	9 29.7
5	51 168.3	16 52.8
6	48 158.4	10 33.0
7	56 184.8	10 33.0
8	60 217.8	16 52.8
9	63 207.9	15 49.5
10	52 171.6	15 49.5
T	1758.9	402.6
\bar{x}	175.9	40.3

Sertoli Cells: seen

Remarks: _____

E = 33.0 μ

(2)

No. 5572 Date Jul 1/61

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	39 - 128.7	13 - 42.9
2	45 148.5	8 26.4
3	46 151.8	9 29.7
4	38 125.4	5 16.5
5	39 128.7	11 36.3
6	40 132.0	9 29.7
7	45 148.5	6 19.8
8	37 122.1	7 23.1
9	42 138.6	10 33.0
10	39 128.7	8 26.4
T	1353.0	283.8
\bar{x}	135.3	28.4

Sertoli Cells: seen

Remarks: _____

$e = 19.8 \mu$

(2)

No. 5-2.73 Date VII/61

Spermatogenic Condition 0

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	17. - 56.1	
2	18 59.4	
3	20 66.0	
4	19 62.7	
5	16 52.8	
6	17 56.1	
7	20 66.0	
8	18 59.4	
9	19 62.7	
10	24 79.2	
T	620.4	
\bar{x}	62.0	

Sertoli Cells: seen

Remarks: _____

No. 5-574 Date VIII/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	18 - 62.7	
2	22 72.6	
3	23 75.9	
4	27 89.1	
5	25 82.5	
6	22 72.6	
7	18 59.4	
8	23 75.9	
9	22 72.6	
10	15 49.5	
T	712.8	
\bar{x}	71.3	

Sertoli Cells: seen

Remarks: _____

E=16.5 μ

(2)

Date	Description	Amount
1900	Jan 1	100.00
1900	Feb 1	200.00
1900	Mar 1	300.00
1900	Apr 1	400.00
1900	May 1	500.00
1900	Jun 1	600.00
1900	Jul 1	700.00
1900	Aug 1	800.00
1900	Sep 1	900.00
1900	Oct 1	1000.00
1900	Nov 1	1100.00
1900	Dec 1	1200.00
1900	Total	10000.00

Total 10000.00
 Balance 10000.00
 Total 10000.00
 Balance 10000.00
 Total 10000.00
 Balance 10000.00

No. 5-576 Date VIII/61

Spermatogenic Condition 7

permatogenic condition		
Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	54 - 178.2	12 - 39.6
2	42 138.6	9 29.7
3	52 171.6	7 23.1
4		
5		
6		
7		
8		
9		
10		
T	488.4	92.4
\bar{x}	162.8	30.8

Sertoli Cells: seen

Remarks: 2 regressive stages without
as before in this species

$\bar{E} = 13.2 \mu$ (2)

No. 5-578 Date 1X/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	^② Seminiferous tubule diam.	Seminiferous epith. height
1	15 - 49.5	
2	14 46.2	
3	13 42.9	
4	17 52.1	
5	13 42.9	
6	16 52.8	
7	15 49.5	
8	16 52.8	
9	16 52.8	
10	16 52.8	
T	498.3	
\bar{x}	49.8	

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 9.9 \mu$ ①

No. 5-579 Date IX/61

Spermatogenic Condition 7+

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: seen

Remarks: _____

E=16.5 μ (1)

No. 5-581 Date 1X/61

Spermatogenic Condition 3

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	25 - 82.5	
2	23 75.9	
3	24 79.2	
4	21 69.3	
5	20 66.0	
6	22 72.6	
7	23 75.9	
8	21 69.3	
9	22 72.6	
10	24 85.8	
T	749.1	
\bar{x}	74.9	

Sertoli Cells: seen

Remarks: _____

No. 5-582 Date 1X/61

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	19 - 62.7	
2	25 - 82.5	
3	21 69.3	
4	19 62.7	
5	18 59.4	
6	25 82.5	
7	21 69.3	
8	22 72.6	
9	19 62.7	
10	20 66.0	
T	689.7	
\bar{x}	69.0	

Sertoli Cells: seen

Remarks: _____

No. 5-583 Date IX/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	20 - 66.0	
2	21 69.3	
3	17 56.1	
4	19 62.7	
5	20 66.0	
6	25 82.5	
7	22 72.6	
8	19 62.7	
9	23 75.9	
10	23 75.9	
T	689.7	
\bar{x}	69.0	

Sertoli Cells: seen

Remarks: _____

$E = 26.4 \mu$ (2)

No. 5-584 Date 1X/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous ⁽²⁾ tubule diam.	Seminiferous epith. height
1	15 - 49.5	
2	15 - 49.5	
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}	49.5	

Sertoli Cells: seen

Remarks: _____

No. 5-585 Date 1Xc/61

Spermatogenic Condition (2)

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	24 - 79.2	
2	22 72.6	
3	23 75.9	
4	27 89.1	
5	23 75.9	
6	23 75.9	
7	20 66.0	
8	20 66.0	
9	17 56.1	
10	24 79.2	
T	675.9	
\bar{x}	67.6	

Sertoli Cells: seen

Remarks: _____

E = 16.5 μ (1)

No. 5-588 Date Xc/61

Spermatogenic Condition condition

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
	0.1 m.	
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: _____

Remarks: see text

E: 13.2 u ①

No. 5-590 Date Xc/61

Spermatogenic Condition 8

	②		Seminiferous epith. height
	Interstitial Cell nuclear diam.	tubule diam.	
1	18	59.4	
2	20	66.0	
3	22	72.6	
4	20	66.0	
5	18	59.4	
6	18	59.4	
7	15	49.5	
8	20	66.0	
9	20	66.0	
10	18	59.4	
T		623.7	
\bar{x}		62.4	

Sertoli Cells: seen

Remarks: _____

E= 9.9,4 ①

The following table shows the results of the experiments conducted on the 10th of May 1907.

Experiment No.	Time of day	Temperature of air	Temperature of water	Temperature of soil	Direction of wind	Force of wind	Direction of current	Force of current	Direction of surface current	Force of surface current	Direction of bottom current	Force of bottom current
1	10.00	65	60	55	SE	2	SE	1	SE	1	SE	1
2	11.00	68	62	58	SE	3	SE	2	SE	2	SE	2
3	12.00	70	64	60	SE	4	SE	3	SE	3	SE	3
4	13.00	72	66	62	SE	5	SE	4	SE	4	SE	4
5	14.00	75	68	65	SE	6	SE	5	SE	5	SE	5
6	15.00	78	70	68	SE	7	SE	6	SE	6	SE	6
7	16.00	80	72	70	SE	8	SE	7	SE	7	SE	7
8	17.00	82	74	72	SE	9	SE	8	SE	8	SE	8
9	18.00	85	76	75	SE	10	SE	9	SE	9	SE	9
10	19.00	88	78	78	SE	11	SE	10	SE	10	SE	10
11	20.00	90	80	80	SE	12	SE	11	SE	11	SE	11
12	21.00	92	82	82	SE	13	SE	12	SE	12	SE	12
13	22.00	95	85	85	SE	14	SE	13	SE	13	SE	13
14	23.00	98	88	88	SE	15	SE	14	SE	14	SE	14
15	24.00	100	90	90	SE	16	SE	15	SE	15	SE	15

The following table shows the results of the experiments conducted on the 11th of May 1907.

The following table shows the results of the experiments conducted on the 12th of May 1907.

The following table shows the results of the experiments conducted on the 13th of May 1907.

The following table shows the results of the experiments conducted on the 14th of May 1907.

The following table shows the results of the experiments conducted on the 15th of May 1907.

No. 5-5.72 Date X/6/61

Spermatogenic Condition 8

	Seminiferous ⁽²⁾		Seminiferous epith. height
	Interstitial Cell nuclear diam.	tubule diam.	
1		20 - 66.0	
2	16	52.8	
3	16	52.8	
4	22	72.6	
5	20	66.0	
6	24	79.2	
7	25	82.5	
8	16	52.8	
9	16	52.8	
10	20	66.0	
T		643.5	
\bar{x}		64.4	

Sertoli Cells: seen

Remarks: _____

E = 16.5

①

No. 5-5.95 Date Xd/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	20 - 66.0	
2	20 66.0	
3	20 66.0	
4	15 49.5	
5	15 49.5	
6	18 59.4	
7	18 59.4	
8	17 56.1	
9	24 79.2	
10	21 69.3	
T	620.4	
\bar{x}	62.0	

Sertoli Cells: seen

Remarks: _____

No. 5-5.96Date X/6/Spermatogenic Condition (2)9

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	16. - 52.8	
2	18 59.4	
3	14 46.2	
4	18 59.4	
5	14 46.2	
6	12 39.6	
7	19 62.7	
8	16 52.8	
9	17 56.1	
10	13 42.9	
T	518.1	
\bar{x}	51.8	

Sertoli Cells: seenRemarks: _____

No. 5-597 Date X/6/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	23 - 75.9	
2	30 99.0	
3	29 95.7	
4	28 92.4	
5	27 89.1	
6	31 102.3	
7	26 85.8	
8	30 99.0	
9	26 85.8	
10	27 89.1	
T	914.1	
\bar{x}	91.4	

Sertoli Cells: seen

Remarks: _____

E = 16.5 μ ①

No. 5-601 Date X/01

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	25 - 82.5	
2	23 75.9	
3	18 59.4	
4	22 72.6	
5	24 79.2	
6	21 69.3	
7	19 62.7	
8	19 62.7	
9	24 79.2	
10	23 75.9	
T	719.4	
\bar{x}	71.9	

Sertoli Cells: seen

Remarks: _____

E = 16.5 μ ①

No. 5-606 Date X/61

Spermatogenic Condition _____

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: _____

Remarks: no testis on slide

No. 5-607 Date X/61

Spermatogenic Condition 0

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
	16 - 52.8	
1	14 46.2	
2	16 52.8	
3	16 52.8	
4	15 49.5	
5	16 52.8	
6	14 46.2	
7	17 56.1	
8	15 49.5	
9	16 52.8	
10		
T	511.5	
\bar{x}	51.2	

Sertoli Cells: seen

Remarks: _____

No. 5-609 Date X/61

Spermatogenic Condition _____

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: _____

Remarks: no testis on slide

No. 5-611 Date x/61

Spermatogenic Condition 9

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	29 - 95.7	
2	33 106.9	
3	27 89.1	
4	25 82.5	
5	31 102.3	
6	25 82.5	
7	28 92.4	
8	28 92.4	
9	32 105.6	
10	25 82.5	
T	935.9	
\bar{x}	93.4	

Sertoli Cells: seen

Remarks: _____

No. 5-612 Date 8/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	21. - 69.3	
2	29 95.7	
3	27 89.1	
4	29 95.7	
5	27 89.1	
6	21 69.3	
7	28 92.4	
8	28 92.4	
9	27 89.1	
10	30 99.0	
T	881.1	
\bar{x}	88.1	

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 13.2 \mu$

(1)

No. 5-615 Date x/61

Spermatogenic Condition 8

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	21 - 69.3	
2	23 75.9	
3	24 77.2	
4	20 66.0	
5	19 62.7	
6	19 62.7	
7	21 69.3	
8	19 62.7	
9	20 66.0	
10	19 62.7	
T	676.5	
\bar{x}	67.6	

Sertoli Cells: seen

Remarks: _____

No. 5-616 Date 11/62

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	38 - 125.4	13 - 42.9
2	44 145.2	15 49.5
3	38 125.4	12 39.6
4	37 122.1	10 33.0
5	41 135.3	11 36.3
6	31 102.3	11 36.3
7	38 125.4	13 42.9
8	44 145.2	15 49.5
9	35 115.5	12 39.6
10	51 168.3	17 56.1
T	1310.1	425.7
\bar{x}	131.0	42.6

Sertoli Cells: seen

Remarks: _____

No. 5-617 Date 11/1/62

Spermatogenic Condition P

Interstitial Cell nuclear diam.	Seminiferous tubule diam. ⁽²⁾	Seminiferous epith. height
1	70 - 231.0	17 - 56.1
2	44 151.8	13 42.9
3	45 148.5	15 49.5
4	56 184.8	14 46.2
5	54 178.2	20 66.0
6	58 191.4	20 66.0
7	40 132.0	15 49.5
8	52 171.6	17 56.1
9	57 188.1	17 56.1
10	54 175.2	10 33.0
T	1755.6	521.4
\bar{x}	175.6	52.1

Sertoli Cells: seen

Remarks: _____

No. 5-623 Date 10/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous ² tubule diam.	Seminiferous epith. height
1	57 - 188.1	14 - 52.8
2	60 198.0	20 66.0
3	57 188.1	11 36.3
4	51 168.3	13 42.9
5	60 198.0	12 39.6
6	64 211.2	15 59.4
7	71 234.3	15 49.5
8	63 207.9	20 66.0
9	61 201.3	18 59.4
10	60 198.0	17 56.1
T	1993.2	528.0
\bar{x}	199.3	52.8

Sertoli Cells: not seen

Remarks: _____

No. 5-624 Date 10/02

Spermatogenic Condition 0

Interstitial Cell nuclear diam.	Seminiferous ⁽²⁾ tubule diam.	Seminiferous epith. height
1	21 - 69.3	
2	20 66.0	
3	23 75.9	
4	18 59.4	
5	19 62.7	
6	22 72.6	
7	18 59.4	
8	20 66.0	
9	19 62.7	
10	22 72.6	
T	666.4	
\bar{x}	66.7	

Sertoli Cells: seen

Remarks: _____

No. 5-628 Date 14/62

Spermatogenic Condition 5

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	31. - 102.3	11 - 36.3
2	30 99.0	10 33.0
3	39 128.7	16 52.8
4	36 118.8	9 29.7
5	32 105.6	12 39.6
6	35 115.5	10 33.0
7	45 148.5	17 56.1
8	36 118.8	12 39.6
9	32 105.6	10 33.0
10	34 112.2	9 29.7
T	1155.0	382.8
\bar{x}	115.5	38.3

Sertoli Cells: seen

Remarks: _____

No. 5-631 Date 10/6/62

Spermatogenic Condition 6

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		52 - 165.0	13 - 42.9
2		68 224.4	17 56.1
3		60 198.0	16 52.8
4		68 224.4	18 57.4
5		76 250.8	12 39.6
6		56 184.8	12 39.6
7		60 198.0	17 56.1
8			
9			
10			
T		1445.4	346.5
\bar{x}		206.4	49.5

Sertoli Cells: seen

Remarks: _____

No. 5-633 Date U/62

Spermatogenic Condition ②

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	43 - 141.9	8 - 26.4
2	49 161.7	10 33.0
3	55 181.5	16 52.8
4	58 191.4	11 36.3
5	54 178.2	16 52.8
6	62 204.6	11 36.3
7	58 191.4	14 46.2
8	73 240.9	15 49.5
9	57 188.1	9 29.7
10	52 171.6	11 36.3
T	1851.3	399.3
\bar{x}	185.1	39.9

Sertoli Cells: not seen

Remarks: _____

$\bar{x} = 36.3 \mu$ ④

No. 5-634 Date U/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	100 - 330.0	20 - 66.0
2	93 306.9	20 66.0
3	70 231.0	15 49.5
4	83 273.9	22 72.6
5	85 280.5	18 59.4
6	92 303.6	20 66.0
7		
8		
9		
10		
T	1725.9	379.5
\bar{x}	287.6	63.2

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 29.7 \mu$ ⁽³⁾

No. 5-635 Date 1/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	101 - 333.3	22 - 72.6
2	83 273.9	29 95.7
3	77 254.1	30 99.0
4	61 201.3	20 66.0
5	70 231.0	21 69.3
6	73 240.9	24 85.8
7	70 231.0	19 62.7
8	74 244.2	15 49.5
9	72 237.6	18 59.4
10	69 227.7	22 72.6
T	2475.0	732.6
\bar{x}	247.5	73.3

Sertoli Cells: not seen

Remarks: _____

$\bar{E} = 26.4 \mu$ (3)

No. 5-640 Date 11/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam. ⁽²⁾	Seminiferous epith. height
1	70 - 231.0	20 - 66.0
2	65 - 214.5	19 - 62.7
3	63 - 207.9	13 - 42.9
4	75 - 247.5	10 - 33.0
5	71 - 234.3	11 - 36.3
6	70 - 231.0	12 - 39.6
7	77 - 254.1	15 - 49.5
8	85 - 280.5	30 - 99.0
9	71 - 234.3	15 - 49.5
10	62 - 204.6	15 - 49.5
T	2339.7	528.0
\bar{x}	234.0	52.8

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 36.3 \mu$ ⁽²⁾

No. 5-441 Date 1/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	53 - 174.9	10 - 33.0
2	50 165.0	10 33.0
3	50 165.0	11 36.3
4	51 168.3	10 33.0
5	48 158.4	14 46.2
6	61 201.3	12 39.6
7	61 201.3	13 42.9
8	74 244.2	19 62.7
9	68 191.4	19 62.7
10	65 214.5	8 26.4
T	1884.3	415.8
\bar{x}	188.4	41.6

Sertoli Cells: seen

Remarks: _____

$E = 29.7 \mu$ ⁽³⁾

No. 5-642 Date U/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	58 - 191.4	15 - 49.5
2	73 240.9	12 39.6
3	84 277.2	24 79.2
4	60 198.0	11 36.3
5	60 198.0	19 62.7
6	49 161.7	14 46.2
7	60 198.0	15 49.5
8	62 204.6	17 56.1
9	50 165.0	14 46.2
10	62 204.6	16 52.8
T	2039.4	518.1
\bar{x}	203.9	51.8

Sertoli Cells: seen

Remarks: _____

$\bar{E} = 26.4 \mu$ (3)

No. 5-649 Date VI/6/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57 - 185.1	20 - 66.0
2	61 201.3	24 85.8
3	64 211.2	13 42.9
4	77 254.1	16 52.8
5	66 217.8	13 42.9
6	50 165.0	10 33.0
7	63 207.9	17 56.1
8	59 194.7	10 33.0
9	70 231.0	15 49.5
10	70 231.0	21 69.3
T	2102.1	531.3
\bar{x}	210.2	53.1

Sertoli Cells: seen

Remarks: _____

$E=23.1 \mu$

(4)

No. 5-650 Date 12/6/62

Spermatogenic Condition ②

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	73 - 240.9	12 - 39.6
2	68 - 224.4	13 - 42.9
3	78 - 257.4	10 - 33.0
4	88 - 290.4	20 - 66.0
5	82 - 270.6	16 - 52.8
6	81 - 267.3	15 - 49.5
7		
8		
9		
10		
T	1551.0	283.8
\bar{x}	258.5	47.3

Sertoli Cells: not seen

Remarks: tissue partially shredded

No. 5-452Date VI/6/62Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	100 - 198.0	11 - 36.3
2	53 174.9	9 29.7
3	52 171.6	12 39.6
4	15 214.5	12 39.6
5	70 231.0	13 42.9
6	81 267.3	11 36.3
7	74 244.2	14 46.2
8	74 250.8	15 49.5
9	66 217.8	12 39.6
10	51 168.3	10 33.0
T	2138.4	392.7
\bar{x}	213.8	39.3

Sertoli Cells: seen

Remarks:

 $E = 29.7 \mu$

(4)

No. 5-45.3 Date VI/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	71 - 239.3	11 - 36.3
2	90 297.0	16 52.8
3	61 201.3	20 66.0
4	75 247.5	16 52.8
5	57 188.1	17 56.1
6	59 194.7	22 72.6
7	59 194.7	17 56.1
8	66 217.8	19 62.7
9	76 250.8	16 52.8
10	48 158.4	14 46.2
T	2184.6	554.4
\bar{x}	218.5	55.4

Sertoli Cells: seen

Remarks: _____

No. 5-664 Date VI/62

Spermatogenic Condition _____

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: _____

Remarks: no testis

No. 5-465 Date VII/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	42 - 138.6	12 - 39.6
2	52 171.6	15 49.5
3	44 145.2	12 39.6
4	60 198.0	16 52.8
5	58 191.4	15 49.5
6	55 181.5	10 33.0
7	54 178.2	15 49.5
8	48 158.4	15 49.5
9	50 165.0	14 46.2
10	70 231.0	13 42.9
T	1758.9	452.1
\bar{x}	175.9	45.2

Sertoli Cells: seen

Remarks: _____

E = 26.4 μ ⁽³⁾

No. 5-668 Date VII/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	168 - 224.4	25 - 82.5
2	53 174.9	17 56.1
3	65 214.5	15 49.5
4	48 158.4	10 33.0
5	82 270.4	16 52.8
6	57 185.1	16 52.8
7	55 181.5	15 49.5
8	54 178.2	16 52.8
9	58 191.4	9 29.7
10	79 260.7	21 69.3
T	2042.7	528.0
\bar{x}	204.3	52.8

Sertoli Cells: seen

Remarks: _____

$E = 19.8 \mu$ (2)

No. 5-669 Date VII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous ⁽²⁾ tubule diam.	Seminiferous epith. height
1	50 - 165.0	12 - 39.6
2	56 184.8	13 42.9
3	61 201.3	11 36.3
4	55 181.5	10 33.0
5	56 184.8	11 36.3
6	59 194.7	11 36.3
7	56 184.8	12 39.6
8	49 161.7	10 33.0
9	56 184.8	15 49.5
10	63 207.9	13 42.9
T	1851.3	389.4
\bar{x}	185.1	38.9

Sertoli Cells: seen

Remarks: _____

E = 16.5 μ (4)

No. 5-671 Date VII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	69 - 227.7	11 - 36.3
2	55 - 181.5	15 - 49.5
3	73 - 240.9	7 - 23.1
4		
5		
6		
7		
8		
9		
10		
T	650.1	108.9
\bar{x}	216.7	36.3

Sertoli Cells: seen

Remarks: poor condition

$E = 29.7 \mu$ ⁽²⁾

No. 5-672 Date VII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	53 - 174.9	13 - 42.9
2	50 165.0	10 33.0
3	48 158.4	10 33.0
4	55 181.5	9 29.7
5	57 168.3	11 36.3
6	55 181.5	12 39.6
7	45 148.5	10 33.0
8	49 161.7	10 33.0
9	51 168.3	9 29.7
10	37 122.1	8 26.4
T	1630.2	336.6
\bar{x}	163.0	33.7

Sertoli Cells: seen

Remarks: large no. of blood vessels

$\bar{E} = 26.4 \mu$

(2)

No. 5-673 Date VII/62

Spermatogenic Condition ②

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	24 - 69.3	
2	23 75.9	
3	23 75.9	
4	19 62.7	
5	18 59.4	
6	17 56.1	
7	19 62.7	
8	21 69.3	
9	22 72.6	
10	22 72.6	
T	676.5	
\bar{x}	67.4	

Sertoli Cells: seen

Remarks: _____

$E=19.8\mu$ ①

No. 5-675 Date VIId/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	49. - 161.7	5 - 16.5
2	51 168.3	8 26.4
3	44 145.2	9 27.7
4	35 115.5	11 36.3
5	51 168.3	13 42.9
6	39 128.7	10 33.0
7	42 138.6	8 26.4
8	33 108.9	7 23.1
9	43 141.9	7 23.1
10	42 138.6	8 26.4
T	1415.7	283.8
\bar{x}	141.6	28.4

Sertoli Cells: seen

Remarks: _____

$\bar{t} = 23.1 \mu$ (2)

No. 5-476 Date VII/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	95 - 313.5	14 - 52.8
2	67 221.1	17 56.1
3	61 201.3	10 33.0
4	69 227.7	20 66.0
5		
6		
7		
8		
9		
10		
T	963.6	207.9
\bar{x}	240.9	52.0

Sertoli Cells: seen

Remarks: small piece of tissue

No. 5-679 Date VI/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	68 - 224.4	12 - 39.6
2	65 - 214.5	14 - 46.2
3	70 - 231.0	16 - 52.8
4	62 - 204.6	10 - 33.0
5	61 - 201.3	13 - 42.9
6		
7		
8		
9		
10		
T	1075.8	214.5
\bar{x}	215.1	42.9

Sertoli Cells: seen

Remarks: tissue shredded

E = 23.1 μ

(4)

No. 5-681 Date VII/62

Spermatogenic Condition 68

Interstitial Cell nuclear diam.	^② Seminiferous tubule diam.	Seminiferous epith. height
1	66 - 217.8	10 - 33.0
2	70 231.0	12 39.6
3	70 231.0	10 33.0
4	70 231.0	17 56.1
5	58 191.4	20 66.0
6	55 181.5	10 33.0
7	90 297.0	12 39.6
8	71 234.3	16 52.8
9	64 211.2	19 62.7
10	69 227.7	22 72.6
T	2253.9	488.4
\bar{x}	225.4	48.8

Sertoli Cells: seen

Remarks: _____

No. 5-683 Date VH / 62

Spermatogenic Condition 6

	(2)		
	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		56 - 184.8	15 - 49.5
2		82 - 270.6	23 - 75.9
3			
4			
5			
6			
7			
8			
9			
10			
T		455.4	125.4
\bar{x}		227.7	62.7

Sertoli Cells: seen

Remarks: small piece of tissue

E = 16.5 μ

(3)

No. 5-684 Date VII/62

Spermatogenic Condition 6

	Seminiferous ⁽²⁾		Seminiferous	
	Interstitial Cell nuclear diam.	tubule diam.	epith. height	
1	53	154.7	14	46.2
2	48	158.4	13	42.9
3	49	161.7	15	49.5
4	46	151.8	11	36.3
5	53	174.9	9	29.7
6	51	168.3	10	33.0
7	48	158.4	11	36.3
8				
9				
10				
T		1168.2		273.9
\bar{x}		166.8		39.1

Sertoli Cells: seen

Remarks: small piece

$\bar{e} = 19.8 \mu$ (3)

No. 5-686 Date 4/11/62

Spermatogenic Condition (2) 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	49.9 - 141.7	8 - 26.4
2	51 168.3	12 39.6
3	48 158.4	8 26.4
4	57 188.1	10 33.0
5	56 184.8	10 33.0
6	51 168.3	8 26.4
7	38 125.4	12 39.6
8	57 188.1	11 36.3
9	57 188.1	10 33.0
10	51 168.3	10 33.0
T	1699.5	326.7
\bar{x}	170.0	32.7

Sertoli Cells: seen

Remarks: _____

E = 29.7 μ

(3)

No. 5-487 Date 10/1/62

Spermatogenic Condition 6

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57. - 168.3	10 - 33.0
2	45 148.5	14 46.2
3	47 155.1	8 26.4
4	51 168.3	17 56.1
5	47 155.1	10 33.0
6	45 148.5	10 33.0
7	45 148.5	12 39.6
8	54 178.2	12 39.6
9	37 122.1	10 33.0
10	47 155.1	10 33.0
T	1547.7	372.9
\bar{x}	154.8	37.3

Sertoli Cells: seen

Remarks: _____

5-53 Op

(2)

No. 5-688 Date VII/62

Spermatogenic Condition active

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	65 - 214.5	12 - 39.6
2	74 244.2	9 29.7
3	84 277.2	17 56.1
4	88 290.4	15 49.5
5	53 174.9	12 39.6
6	62 204.6	15 49.5
7	53 174.9	11 36.3
8	84 277.2	13 42.9
9	73 240.9	12 39.6
10	52 171.6	15 49.5
T	2270.4	432.3
\bar{x}	227.0	43.2

Sertoli Cells: seen

Remarks: _____

E=23.1 μ (3)

No. 5-689 Date VH1/62

Spermatogenic Condition 10

	Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		75 - 247.5	12 - 39.6
2	59	194.7	15 49.5
3	62	204.6	10 33.0
4	57	188.1	12 39.6
5	60	198.0	12 39.6
6	71	234.3	19 62.7
7	87	287.1	17 56.1
8	53	174.9	11 36.3
9	65	214.5	15 49.5
10	55	181.5	19 62.7
T		2125.2	468.6
\bar{x}		212.5	46.9

Sertoli Cells: seen

Remarks: _____

$\bar{r} = 33.0 \mu$ (3)

No. 5-694 Date VIH/62

Spermatogenic Condition (2)

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	43 - 141.9	9 - 29.7
2	46 151.8	8 26.4
3	52 171.6	11 36.3
4	46 151.8	10 33.0
5	38 125.4	7 23.1
6	35 115.5	7 23.1
7	44 145.2	8 26.4
8	51 168.3	12 39.6
9	63 207.9	10 33.0
10	52 171.6	10 33.0
T	1551.0	303.6
\bar{x}	155.1	30.4

Sertoli Cells: seen

Remarks: _____

E = 330.4

(3)

No. 5-695 Date VIII / 62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	69 - 227.7	18 - 59.4
2	66 217.8	20 66.0
3	53 174.9	11 36.3
4	55 181.5	10 33.0
5	62 204.6	10 33.0
6	73 240.9	13 42.9
7	56 184.8	14 46.2
8	69 227.7	10 33.0
9	59 194.7	17 56.1
10	53 174.9	11 36.3
T	2029.5	442.2
\bar{x}	203.0	44.2

Sertoli Cells: seen

Remarks: _____

No. 5-696 Date VIII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	^② Seminiferous tubule diam.	Seminiferous epith. height
1	52 - 171.6	16 - 52.8
2	53 174.9	8 26.4
3		
4		
5		
6		
7		
8		
9		
10		
T	346.5	79.2
\bar{x}	173.2	39.6

Sertoli Cells: seen

Remarks: tissue shielded

E = 29.74

③

No. 5-698 Date 4/11/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	55 - 181.5	12 - 39.6
2	46 151.8	10 33.0
3	40 132.0	7 23.1
4	40 132.0	8 24.4
5	44 145.2	11 36.3
6	54 184.8	10 33.0
7	58 191.4	11 36.3
8	51 165.3	9 29.7
9	55 181.5	12 39.6
10	57 188.1	12 39.6
T	1656.6	336.6
\bar{x}	165.7	33.7

Sertoli Cells: seen

Remarks: _____

6 = 33.0, 4 (3)

No. 5-702 Date VIII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	57 - 168.3	9 - 29.7
2	62 204.6	11 36.3
3	42 138.6	8 26.4
4	42 138.6	9 29.7
5	45 148.5	5 16.5
6	40 132.0	9 29.7
7	45 148.5	5 16.5
8	44 145.2	8 26.4
9	49 161.7	11 36.3
10	44 145.2	8 26.4
T	1531.2	273.9
\bar{x}	153.1	27.4

Sertoli Cells: seen

Remarks: _____

$E = 29.7 \mu$ (3)

No. 5-703 Date VIII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	58 - 191.4	11 - 36.3
2	45 - 148.5	10 - 33.0
3	43 - 141.9	10 - 33.0
4	50 - 165.0	13 - 42.9
5	64 - 211.2	14 - 46.2
6	45 - 148.5	12 - 39.6
7	57 - 188.1	14 - 46.2
8	49 - 161.7	9 - 29.7
9	43 - 141.9	11 - 36.3
10	45 - 148.5	9 - 29.7
T	1646.7	372.9
\bar{x}	164.7	37.3

Sertoli Cells: seen

Remarks: _____

E = 23.1 μ (3)

No. 5-704 Date VIII / 62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	59 - 194.7	8 - 26.4
2	66 217.8	14 46.2
3	82 270.6	6 19.8
4	43 141.9	12 39.6
5	41 135.3	7 23.1
6	50 165.0	12 39.6
7	52 171.6	19 62.7
8	50 165.0	19 62.7
9	51 168.3	11 36.3
10	58 191.4	9 29.7
T	1821.6	386.1
\bar{x}	182.2	38.6

Sertoli Cells: seen

Remarks: _____

$E = 36.3 \mu$ (3)

Description of Work		Quantity	Unit	Rate	Amount
Excavation	1000	cu yd		1.50	1500.00
Backfill	1000	cu yd		1.00	1000.00
Compaction	1000	sq ft		0.50	500.00
Gravel	1000	cu yd		2.00	2000.00
Concrete	1000	cu yd		3.00	3000.00
Reinforcement	1000	lb		0.10	100.00
Formwork	1000	sq ft		0.20	200.00
Paint	1000	sq ft		0.05	50.00
Sealing	1000	sq ft		0.05	50.00
Drainage	1000	sq ft		0.05	50.00
Lighting	1000	sq ft		0.05	50.00
Landscaping	1000	sq ft		0.05	50.00
Surveying	1000	sq ft		0.05	50.00
Permitting	1000	sq ft		0.05	50.00
Insurance	1000	sq ft		0.05	50.00
Transportation	1000	sq ft		0.05	50.00
Tools	1000	sq ft		0.05	50.00
Materials	1000	sq ft		0.05	50.00
Labor	1000	sq ft		0.05	50.00
Overhead	1000	sq ft		0.05	50.00
Profit	1000	sq ft		0.05	50.00
Total					10000.00

Notes:

1. All work to be done in accordance with the plans and specifications.

2. The contractor shall be responsible for obtaining all necessary permits.

3. The contractor shall be responsible for the safety of all workers.

4. The contractor shall be responsible for the quality of all work.

5. The contractor shall be responsible for the completion of all work.

No. 5-705 Date VIII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	45 - 118.5	8 - 26.4
2	46 151.8	9 29.7
3	40 132.0	11 36.3
4	48 158.4	7 23.1
5	42 138.6	10 33.0
6	35 115.5	9 29.7
7	37 122.1	5 16.5
8	50 165.0	8 26.4
9	45 148.5	8 26.4
10	40 132.0	10 33.0
T	1412.4	280.5
\bar{x}	141.2	28.0

Sertoli Cells: seen

Remarks: _____

No. 5-706 Date VIII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	41 - 135.3	16 - 52.8
2	41 135.3	12 39.6
3	40 132.0	10 33.0
4	53 174.9	10 33.0
5		
6		
7		
8		
9		
10		
T	577.5	158.4
\bar{x}	144.4	39.6

Sertoli Cells: seen

Remarks: tissue in poor condition

E = 42.9 μ ⁽³⁾

No. 5-708 Date VIII/62

Spermatogenic Condition 7

Interstitial Cell nuclear diam.	⁽²⁾ Seminiferous tubule diam.	Seminiferous epith. height
1	68 - 224.4	19 - 62.7
2	67 221.1	12 39.6
3	69 227.7	13 42.9
4	51 168.3	13 42.9
5	53 174.9	15 - 49.5
6	55 - 181.5	15 - 49.5
7	66 217.8	20 66.0
8	64 211.2	13 42.9
9	77 254.1	22 72.6
10	66 217.8	14 46.2
T	2098.8	514.8
\bar{x}	209.9	51.5

Sertoli Cells: seen

Remarks: _____

E = 39.6 μ ⁽³⁾

No. 5-709 Date VI/4/62

Spermatogenic Condition active

Interstitial Cell nuclear diam.	Seminiferous tubule diam. mm.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: _____

Remarks: no testis on slide

No. 5-710 Date 1/11/02

Spermatogenic Condition 7+

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: seen

Remarks: _____

No. 5-711 Date VI/11/62

Spermatogenic Condition 7+

Interstitial Cell nuclear diam.	Seminiferous tubule diam. m.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: seen

Remarks: _____

E = 19.8 μ (3)

No. 5-715 Date IX/62

Spermatogenic Condition 0

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1	13 - 42.9	
2	13 42.9	
3	13 42.9	
4	14 46.2	
5	12 39.6	
6	12 39.6	
7	12 39.6	
8	12 39.6	
9	13 42.9	
10	13 42.9	
T	419.1	
\bar{x}	41.9	

Sertoli Cells: seen

Remarks: _____

No. 5-716 Date 18/62

Spermatogenic Condition 7+

Interstitial Cell nuclear diam.	Seminiferous tubule diam. m.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: seen

Remarks: _____

No. 5-720 Date 18/6/62

Spermatogenic Condition critic

Interstitial Cell nuclear diam.	Seminiferous tubule diam.	Seminiferous epith. height
1		
2		
3		
4		
5		
6		
7		
8		
9		
10		
T		
\bar{x}		

Sertoli Cells: _____

Remarks: no tests

$$\bar{E} = 19.8 \mu$$

②

R-351

STEEL BACKPLATE

S. E. & M. VERNON, INC.

U. S. A.

